


## OSOBNJE INFORMACIJE

## Danijela Vidic



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Spol Ž | Datum i mjesto rođenja 30.12.1973, Sarajevo | Državljanstvo BiH

## RADNO ISKUSTVO

- 2022 - danas **Redovni profesor (oblasti: Organska hemija i Biohemija)**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu
- 2016 - 2022 **Vanredni profesor (oblasti: Organska hemija i Biohemija)**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu
- 2012 - 2016 **Docent (oblasti: Organska hemija i Biohemija)**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu
- 2002 - 2012 **Viši asistent (oblasti: Hemija za nematične studije)**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu
- 1999 - 2002 **Asistent (oblasti: Hemija za nematične studije)**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu

## OBRAZOVANJE I OSPOBLJAVANJE

- 2011 **Doktor hemijskih nauka**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu  
„Komparativna studija hemijskih konstituenata esencijalnih ulja i različitih ekstrakata nekih aromatičnih vrsta porodice Lamiaceae“
- 2002 **Magistar hemijskih nauka**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu  
“Izolacija i identifikacija volatilnih komponenata iz biljnog materijala *Artemisia annua* L.”
- 1998 **Diplomirani inženjer hemije**  
Prirodno-matematički fakultet, Univerzitet u Sarajevu  
„Uticaj Ce(IV)/Ce(III) jona i feroina na oscilirajuću reakciju Belousov- Zhabotinskii“

## OSOBNJE VJEŠTINE

Materinski jezik Bosanski – hrvatski – srpski jezik

Ostali jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski	C1	C1	C1	C1	C1

**Komunikacijske vještine** Timski rad  
Sposobnost prilagođavanju multikulturalnim sredinama, stečena tokom radnog iskustva  
Dobre komunikacijske vještine stečene tokom radnog iskustva kao istraživač, asistent i nastavnik

**Organizacijske / rukovoditeljske vještine** Šef Katedre za organsku hemiju i biohemiju, Odsjek za hemiju, PMF (2016 – 2022)  
Predsjednik Odbora za osiguranje kvaliteta Prirodno-matematičkog fakulteta, (2021 – danas)

Nastavnik na predmetima;  
I ciklus; Organska hemija (Odsjek za biologiju), Uvod u biohemiju, Hemija prirodnih produkata, Organska hemija sa materijalima (PMF-ALU), Odabrani sekundarni metaboliti, Metode određivanja antioksidacijske aktivnosti, Zagađivači hrane, Biohemija ksenobitika  
II ciklus; Separacione metode u organskoj hemiji, Hemija prirodnih produkata – odabrana poglavlja, Moderne instrumentalne metode u organskoj hemiji, Toksikologija i metabolizam lijekova (Odsjek za biologiju)  
III ciklus; Prirodni produkti kao antioksidansi

Angažman na drugim organizacionim jedinicama UNSA  
Fakultet zdravstvenih studija u akademskim godinama; 2016/2017; 2017/2018; 2019/2020 na predmetu Opšta, anorganska i organska hemija.

**Mentorstva** Završena mentorstva za ukupno **19** radova I ciklusa studija, **20** radova II ciklusa studija, **2** rada III ciklusa studija;

**Digitalna kompetencija**

SAMOPROCJENA

Obrada informacija	Komunikacija	Stvaranje sadržaja	Sigurnost	Rješavanje problema
Iskusni korisnik	Iskusni korisnik	Iskusni korisnik	Samostalni korisnik	Samostalni korisnik

**Ostale vještine** Rad na različitim instrumentima za određivanje hemijske strukture organskih spojeva i rad na separacionim tehnikama (GS/MS, HPLC-DAD, UV-Vis)

**DODATNE INFORMACIJE**

Recenzent u međunarodnim časopisima

*Natural Product Research*  
*Molecules*  
*Pharmaceutical Biology*  
*Industrial Crops and Products*

Recenzent u domaćim časopisima

Glasnik hemičara i tehnologa BiH  
Radovi Šumarskog fakulteta u Sarajevu  
Glasnik hemičara, tehnologa i ekologa

Recenzent udžbenika

Recenzent jednog univerzitetskog udžbenika

**Članstva**

- Član Društva hemičara i tehnologa Kantona Sarajevo
- Član redakcijskog odbora časopisa Glasnik hemičara i tehnologa Bosne i Hercegovine
- Član Organizacionog odbora i Naučnog odbora tri Kongresa hemičara i tehnologa sa međunarodnim učešćem 2014, 2016, 2018.
- Član Etičkog odbora Prirodno-matematičkog fakulteta (2017-2021)
- Član Naučnog odbora 4. Internacionalnog kongresa hemičara i tehnologa BiH (2022)
- Član Koodrinacionog odbora Prirodno-matematičkog fakulteta (2021- danas)
- Predsjednik Odbora za osiguranje kvaliteta Prirodno-matematičkog fakulteta (2021- danas)

**Nagrade**

(2008) Award of a PSE Travel Bursary“ - 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF: „Natural products with pharmaceutical, nutraceutical, cosmetic and agrochemical interest“, Athens, Greece  
(2018) Nagrada za naučni/umjetnički rad akademskog i naučnoistraživačkog osoblja Univerziteta u Sarajevu

- Komisije**
- Komisije za izbor u nastavničko zvanje;
    - Univerzitet u Sarajevu – Prirodno-matematički fakultet, Odsjek za hemiju
      - Viši asistent, oblast Organska hemija i Biohemija (2x)
      - Docent oblasti Organska hemija i Biohemija
      - Vanredni profesor, oblast Organska hemija i Biohemija
    - Univerzitet u Sarajevu – Prirodno-matematički fakultet, Odsjek za biologiju
      - Vanredni profesor, oblast Funkcionalna biologija
    - Univerzitetu Džemal Bijedić u Mostaru.
      - Vanredni profesor, naučno područje: Prirodne nauke, polje: Hemija, grana: Organska hemija
  - Komisije za odbranu završnih radova – Učesnik velikog broja Komisija za odbranu završnih radova I, II i III ciklusa studija na Prirodno – matematičkom fakultetu na Odsjeku za hemiju i Odsjeku za biologiju, te za odbranu diplomskih i magistarskih radova po predbolonjskom sistemu.
  - Komisije za rangiranje studenata za upis na II ciklus; 2018/2019; 2019/2020
  - Komisije za rangiranje studenata za upis na III ciklus; 2017/2018
  - Komisija za provođenje postupka ekvivalencije ranije stečenih akademskih titula (2020-2022)
- Projekti**
1. Izolacija, identifikacija i antioksidativna aktivnost biološki aktivnih spojeva vrsta roda *Fraxinus* L., Institucija koja je finansirala/sufinansirala projekat: Federalno ministarstvo obrazovanja i nauke, (2021-2022), 0101-10016-4/21; **član projekta**
  2. Bioprospektiranje odabranih ljekovitih i endemičnih biljaka BiH – hemijski sastav, biološka aktivnost i veličina genoma, Institucija koja je finansirala/sufinansirala projekat: Ministarstvo za obrazovanje i mlade Kantona Sarajevo (2019-2022) 11/05-14-27626-1/19; **voditelj projekta**
  3. Strukturni aspekti antioksidativnog i enzim-inhibicijskog djelovanja odabranih fenolskih kiselina i njihovih derivata; (2015-2018); Institucija koja je finansirala/sufinansirala projekat: Federalno ministarstvo za obrazovanje i nauku (0101-7552-20/15); **voditelj projekta**
  4. Fitohemijsko istraživanje aktivnih konstituenata nekih ljekovitih i aromatičnih biljnih vrsta porodice Asteraceae; (2015-2018); Institucija koja je finansirala/sufinansirala projekat: Federalno ministarstvo za obrazovanje i nauku (0101-7552-12/15); **član projekta**
  5. Određivanje sastava i sadržaja odabranih fenolskih spojeva HPLC-ED metodom u biljkama roda *Crataegus* L. (2015-2018) Institucija koja je finansirala/sufinansirala projekat: Federalno ministarstvo za obrazovanje i nauku (0101-7552-15/15); **član projekta**
  6. Strukturni aspekti antioksidativnog djelovanja derivata hidroksibenzojevih i hidroksicimetnih kiselina; (2016-2017); Institucija koja je finansirala/sufinansirala projekat: Federalno ministarstvo za obrazovanje i nauku (05-39-605/16); **član projekta**
  7. Zbrinjavanje hemijskog otpada (2016-2017) Institucija koja je finansirala/sufinansirala projekat: Fond za zaštitu okoliša Federacije BiH; 01-09-2-62-808/16; **član projekta**
  8. Hemijsko istraživanje fenolskih kiselina iz nekih biljaka porodice Lamiaceae i njihova modifikacija u cilju unaprijeđivanja njihovog biološkog djelovanja; (2012-2013); Institucija koja je finansirala/sufinansirala projekat: Federalno ministarstvo za obrazovanje i nauku (BI-BA/12-13-007); **član projekta**
  9. Ispitivanje hemijskog sastava i antioksidacijske aktivnosti ekstrakata nekih vrsta roda *Crataegus* L. (2012-2014). Institucija koja je finansirala/sufinansirala projekat: Šumarski fakultet Univerziteta u Sarajevu, Institut za šumarstvo i hortikulturu (01/239/12); **član projekta**
  10. Karakterizacija esencijalnih ulja nekih bosansko-hercegovačkih ljekovitih i endemičnih biljnih vrsta porodice Lamiaceae; (2007-2011); Institucija koja je finansirala/sufinansirala projekat: Kanton Sarajevo, Ministarstvo za obrazovanje, nauku i mlade (11-14-20052.1/07); **član projekta**

## BIBLIOGRAFIJA

Objavljeni recenzirani udžbenici

1. **Vidic, D.**, Čulum, D., Maksimović, M. (2022) Praktikum hemije prirodnih produkata, Univerzitet u Sarajevu -Prirodno-matematički fakultet, Sarajevo ISBN 978-9926-453-44-2.
2. Maksimović, M., Čopra-Janićijević, A., **Vidic, D.**, Topčagić, A., Klepo, L., Dizdar, M., Čulum D., (2019) Osnove organske hemije zbirka zadataka, Prirodno-matematički fakultet, Sarajevo ISBN 978-9926-453-21-3.
3. Zejnilagić-Hajrić M., Ljubijankić N., Čopra-Janićijević A., Vidic D., Nuić I. (2016) Praktikum iz metodike nastave hemije, Univerzitet u Sarajevu – Prirodno-matematički fakultet, ISBN 978-9958-592-77-5
4. Maksimović M., Čavar S., **Vidic D.** (2009) Praktikum iz osnova organske hemije, Univerzitet u Sarajevu – Prirodno-matematički fakultet, ISBN 978-9958-592-06-5

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2. Čulum, D., Čopra-Janićijević, A., Muratović, E., Siljak-Yakovlev, S., Maksimović, M., **Vidic, D.** (2022). Essential Oil Composition and Antioxidant Activity of Endemic *Achillea lingulata* Waldst. & Kit. Compared to Common *A. millefolium* L. *Records of Natural Products*. 16:4, 335-345. <http://doi.org/10.25135/mp.285.2107.2143>
3. Mahmutović-Dizdarević, I., Dizdar, M., Čulum, D., **Vidic, D.**, Dahija, S., Jerković-Mujkić, A., Bešta-Gajević, R. (2020) Phenolic Composition, Antioxidant and Antimicrobial Activity of *Cotoneaster Medik*. Species from Bosnia and Herzegovina, *Glasnik hemičara i tehnologa Bosne i Hercegovine*, 54, 1-6. <https://doi.org/10.35666/ghtbh.2020.54.01>
4. Korać, N., **Vidic, D.**, Sutlović, D. (2020) Modified QuEChERS extraction and GC-MS analysis of selected cannabinoids from human urine, *Glasnik hemičara i tehnologa Bosne i Hercegovine*, 54, 37-44. <https://doi.org/10.35666/ghtbh.2020.54.07>
5. Čopra-Janićijević, A., **Vidic, D.**, Maksimović, M. (2020). Characterization of *Satureja montana* L. essential oil and headspace volatiles. *NVEO, Natural Volatiles & Essential Oils*, 7(2), 22-34. <https://doi.org/10.37929/nveo.743706>
6. **Vidic, D.**, Čopra-Janićijević, A., Miloš, M., Maksimović, M. (2018). Effects of Different Methods of Isolation on Volatile Composition of *Artemisia annua* L., *International Journal of Analytical Chemistry*, Volume 2018, Article ID 9604183, 6 pages. <https://doi.org/10.1155/2018/9604183>
7. Čulum, D., Čopra-Janićijević, A., **Vidic, D.**, Klepo, L., Tahirović, A., Bašić, N., Maksimović, M. (2018). HPLC-ED Analysis of Phenolic Compounds in Three Bosnian *Crataegus* Species. *Foods*, 7(5), 66. <https://doi.org/10.3390/foods7050066>
8. Čopra-Janićijević, A., Čulum, D., **Vidic, D.**, Tahirović, A., Klepo, L., Bašić, N. (2018). Chemical composition and antioxidant activity of the endemic *Crataegus microphylla* Koch subsp. *malyana* Kl. Chr. & Janjić from Bosnia. *Industrial Crops and Products*, 113, 75-79.
9. Dizdar, M., **Vidic, D.**, Požgan, F., Štefane, B., Maksimović, M. (2018). Acetylcholinesterase Inhibition and Antioxidant Activity of *N-trans*-Caffeoyldopamine and *N-trans*-Feruloyldopamine. *Scientia Pharmaceutica*, 86 (2), 11. <https://doi.org/10.3390/scipharm86020011>
10. Gojak-Salimović, S., Šljivo, E., **Vidic, D.**, Čulum, D., (2017) Determination of total phenolic content and antioxidant activity of aqueous extracts of selected medicinal plants. *Works of the Faculty of Forestry University of Sarajevo*, 2, 84-92. <https://doi.org/10.54652/rsf.2017.v47.i2.61>
11. Karadža, A., Karalija, E., **Vidic, D.**, Parić A. (2017) Quantitative analysis of secondary metabolites in *Hypericum perforatum*, originating from different localities in Bosnia and Herzegovina, *Works of the Faculty of Agriculture and Food Sciences*, University of Sarajevo, Vol. LXII, 67/2, 545-556.
12. **Vidic, D.**, Čavar Zeljković, S., Dizdar, M., Maksimović, M. (2016). Essential oil composition and antioxidant activity of four Asteraceae species from Bosnia. *Journal of Essential Oil Research*, 28(5) 445-457. <https://doi.org/10.1080/10412905.2016.1150216>

13. Dahija, S., Čakar, J., **Vidic, D.**, Maksimović, M., Parić, A. (2014). Total phenolic and flavonoid contents, antioxidant and antimicrobial activities of *Alnus glutinosa* (L.) Gaertn., *Alnus incana* (L.) Moench and *Alnus viridis* (Chaix) DC. extracts. *Natural Product Research*, 28(24), 2317-2320. <https://doi.org/10.1080/14786419.2014.931390>
14. **Vidic, D.**, Tarić, E., Alagić, J., Maksimović M. (2014). Determination of total phenolic content and antioxidant activity of ethanol extracts from *Aloe* spp. *Glasnik hemičara i tehnologa Bosne i Hercegovine*, 42, 5-10. <http://pmf.unsa.ba/hemija/glasnik/files/Issue%2042/Issue%2042%20novo/42-2-Vidic.pdf>
15. Čavar, S., **Vidic, D.**, Maksimović, M. (2013). Volatile constituents, phenolic compounds, and antioxidant activity of *Calamintha glandulosa* (Req.) Bentham, *Journal of the Science of Food and Agriculture*, 93, 1758–1764. <https://doi.org/10.1002/jsfa.5967>
16. Čavar, S., Maksimovic, M., **Vidic, D.**, Parić, A. (2012). Chemical Composition and Antioxidant and Antimicrobial Activity of Essential Oil of *Artemisia annua* L. from Bosnia, *Industrial Crops and Products*, 37, 479-485. <https://doi.org/10.1016/j.indcrop.2011.07.024>
17. Otajagić, S., Pinjić Dž., Čavar S., **Vidic, D.**, Maksimović, M. (2012). Total phenolic content and antioxidant activity of ethanolic extracts of *Aesculus hippocastanum* L., *Glasnik hemičara i tehnologa Bosne i Hercegovine-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 38, 35-39.
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19. Čakar, J., Parić, A., **Vidic, D.**, Haverić, A., Haverić, S., Maksimović, M., Bajrović, K. (2011). Antioxidant and antiproliferative activities of *Helleborus odoratus* Waldst. & Kit, *H. multifidus* Vis. and *H. hercegovinus* Martinis. *Natural Product Research*, 25(20), 1969-74. <https://doi.org/10.1080/14786419.2010.541872>
20. **Vidic, D.**, Čavar, S., Šolić, M. E., Maksimović, M. (2010). Volatile Constituents of Two Rare Subspecies of *Thymus praecox*, *Natural Product Communications*, 5, 1123-1126. <https://doi.org/10.1177/1934578X1000500730>
21. **Vidic, D.**, Maksimović, M., Čavar, S., Siljak-Yakovlev S. (2010). Influence of the continental climatic condition on the essential oil composition of *Salvia brachyodon* Vandas transferred from Adriatic Coast, *Chemistry & Biodiversity*, 7, 1208-1216. <https://doi.org/10.1002/cbdv.200900126>
22. Čavar, S., Maksimović, M., **Vidic, D.**, Šolić, M. E. (2010). Chemical Composition of the Essential Oil of *Stachys menthifolia* Vis., *Pharmaceutical Biology*, 48(2), 170-176. <https://doi.org/10.3109/13880200903062655>
23. Čavar, S., Maksimović, M., **Vidic, D.** (2009). The Essential Oil of *Thymus aureopunctatus* (Beck) K. Malý, *Natural Product Communications*, 4, 415-420. <https://doi.org/10.1177/1934578X0900400320>
24. **Vidic, D.**, Maksimović, M., Čavar, S., & Šolić, M. E. (2009). Comparison of Essential Oil Profiles of *Satureja montana* L. and Endemic *Satureja visianii* Šilić, *Journal of Essential Oils-Bearing Plants*, 12, 273-281. <https://doi.org/10.1080/0972060X.2009.10643720>
25. Čavar, S., **Vidic, D.**, & Maksimović, M. (2009). GC-MS Analiza volatilnih konstituenata *Thymus moesiacus* Velen. *Glasnik hemičara, tehnologa i ekologija Republike Srpske*, 2, 27-29. <https://glasnik.tf.unibl.org/bs/gc-ms-analiza-volatilnih-konstituenata-thymus-moesiacus-velen/>
26. **Vidic, D.**, Čavar, S., & Maksimović, M. (2009). Hlapivi konstituenti dviju biljnih vrsta roda *Acinos*, *Radovi Hrvatskog Društva za znanost i umjetnost*, XI., 159-166.
27. Čavar, S., **Vidic, D.**, Topčagić, A., Šolić, M. E., Maksimović, M. (2009). Kemijski sastav i antioksidacijska aktivnost eteričnog ulja biljne vrste *Salvia sclarea* L., *Radovi Hrvatskog Društva za znanost i umjetnost*, XI., 167-175.
28. Čavar, S., **Vidic, D.**, Maksimović, M. (2008). Fitokemijska karakterizacija biljne vrste *Artemisia annua* L., *Radovi Hrvatskog Društva za znanost i umjetnost*, X., 157-162.
29. Čavar, S., **Vidic, D.**, Maksimović, M. (2008). Analiza hlapivih komponenata iz biljnog materijala *Salvia officinalis* L. headspace tehnikom, *Radovi Hrvatskog Društva za znanost i umjetnost*, X., 163-168.
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32. Čavar, S., **Vidic, D.**, Maksimović, M. (2010). Chemical composition and antioxidant activity of essential oil and aqueous extract of *Pelargonium graveolens* L'Her. *Planta Medica*, 76, 1225-1226.
33. **Vidic, D.**, Čavar, S., Maksimović, M. (2010). Antioxidant activity of two *Satureja* species. *Planta Medica*, 76, 1227.
34. Čavar, S., **Vidic, D.**, Maksimović, M. (2009). Essential Oil Profile of *Thymus jankae* Celak. from Bosnia, *Planta Medica*, 75, 930.
35. Čavar, S., **Vidic, D.**, Maksimović, M. (2008). Volatile Constituents of *Thymus moesiacus* Velen. from Bosnia, *Planta Medica*, 74, 1194.
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konferencijama

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